

IN THE CLAIMS

1. – 31. (Canceled)

32. (Original) Apparatus for tracking selected objects in a scene comprising:
one or more cameras arranged to obtain one or more real scene images;
image processing means for identifying said selected objects in said one or more real scene images;
means for providing an estimate of the position of said one or more selected objects based on their position in the one or more real scene images;
a user interface adapted to allow an operator to view said estimate of the position of selected objects in a real scene image, said user interface including input means to allow an operator to modify said estimate.

33. (Original) Apparatus according to Claim 32, wherein real scene images are obtained from a plurality of cameras having different view points.

34. (Original) Apparatus according to Claim 33, wherein more than one real scene images from different viewpoints are displayed simultaneously, and wherein said estimate is indicated graphically on more than one real scene image.

35. (Original) Apparatus according to Claim 32, arranged to allow an operator to select those cameras from which real scene images are used to provide said estimate of location.

36. (Original) Apparatus according to Claim 32, arranged to allow an operator to indicate the position of one or more selected objects in one or more real scene images.

37. (Original) Apparatus according to Claim 32, arranged to allow an operator to indicate the position of one or more selected objects in a first real scene image, and to display an estimate of the corresponding position of said one or more objects in at least a second real scene image.

38. (Original) Apparatus according to Claim 32, including means for estimating the trajectory of a selected object based on an indicated position of the object at a first instant, an indicated position of the object at a second instant, the time elapsed between said two instants, and physical assumptions of the object's trajectory.

39. (New) Apparatus for tracking selected objects in a scene, comprising:
one or more cameras arranged to obtain one or more real scene images;
an image processor for identifying said selected objects in said one or more real scene images;
a position estimator for providing an estimate of position of said one or more selected objects based on their position in the one or more real scene images; and
a user interface adapted to allow an operator to view said estimate of the position of selected objects in a real scene image, said user interface including a user input device to allow an operator to modify said estimate.